

ABSTRACT

A ferritic stainless steel sheet for fuel tanks and fuel pipes comprises, by mass percent, about 0.1 % or less of C; about 1.0 % or less of Si; about 1.5 % or less of Mn; about 0.06 % or less of P; about 0.03 % or less of S; about 1.0 % or less of Al; about 11 % to about 20 % Cr; about 2.0 % or less of Ni; about 0.5 % to about 3.0 % Mo; about 0.02 % to about 1.0 % V; about 0.04 % or less of N; at least one of about 0.01 % to about 0.8 % Nb and about 0.01 % to about 1.0 % Ti; and the balance being Fe and incidental impurities. The ferritic stainless steel sheet is produced by rough-rolling a slab having the above composition; hot-rolling the rough-rolled sheet under a linear pressure of at least about 3.5 MN/m at a final pass in the finish rolling; cold-rolling the hot-rolled sheet at a gross reduction rate of at least about 75 %; and annealing the cold-rolled sheet. The cold-rolling step includes one rolling stage or at least two rolling stages including intermediate annealing.